

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

1. (Original) A polynucleotide encoding mammalian Prickle protein, wherein the polynucleotide comprises a sequence selected from the following nucleic acid sequences of (1) to (4):

- (1) a nucleic acid sequence that encodes the amino acid sequence of SEQ ID NO: 1, or a complementary sequence thereof;
- (2) the nucleic acid sequence of SEQ ID NO: 2, or a complementary sequence thereof;
- (3) a nucleic acid sequence that encodes an amino acid sequence with one or more amino acid deletions, insertions, substitutions, or additions to the amino acid sequence of SEQ ID NO: 1, or a sequence complementary to said nucleic acid sequence; and
- (4) a nucleic acid sequence that hybridizes with the sequence of (2) under stringent conditions.

2. (Original) A vector comprising the polynucleotide of claim 1.

3. (Currently Amended) A host cell comprising the polynucleotide of claim 1 ~~or the vector of claim 2.~~

4. (Original) A method for producing a mammalian Prickle protein encoded by the polynucleotide of claim 1, wherein the method comprises the step of translating said polynucleotide.

5. (Original) A fragment of a polypeptide encoded by the polynucleotide of claim 1, wherein the fragment comprises at least eight amino acid residues.

6. (Currently Amended) An antibody directed against a polypeptide encoded by the polynucleotide of claim 1, ~~or the polypeptide fragment of claim 5.~~

7. (Original) A nucleotide chain that encodes the polypeptide fragment of claim 5.

8. (New) A host cell comprising the vector of claim 2.

9. (New) An antibody directed against the polypeptide fragment of claim 5.